FIG. 1

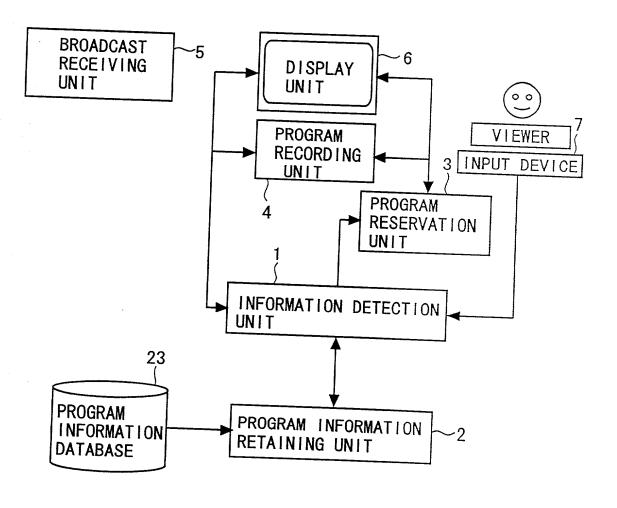


FIG. 2

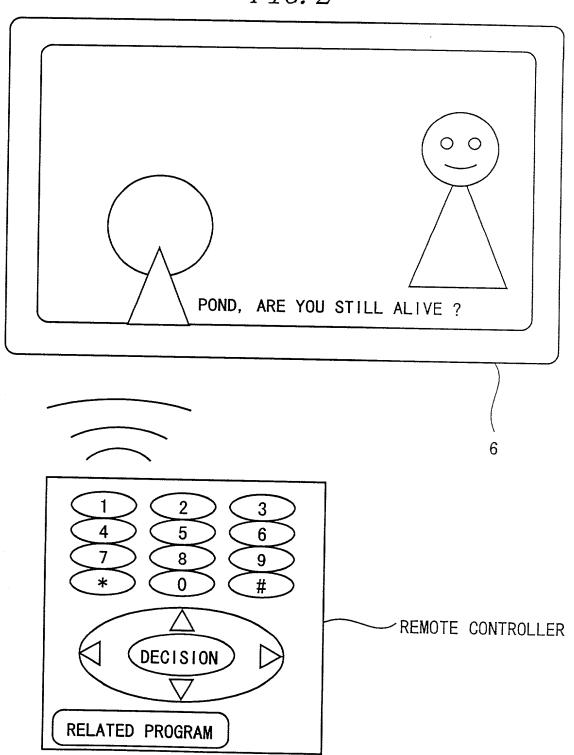


FIG. 3

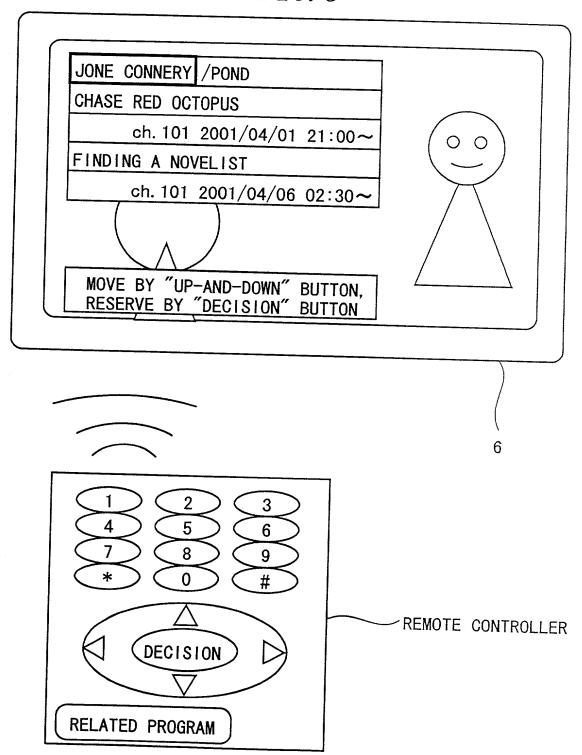
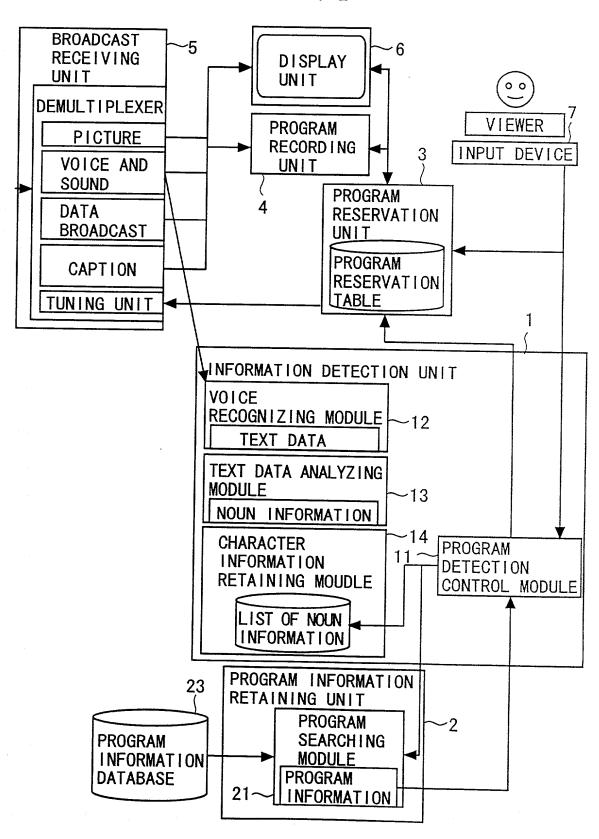


FIG. 4



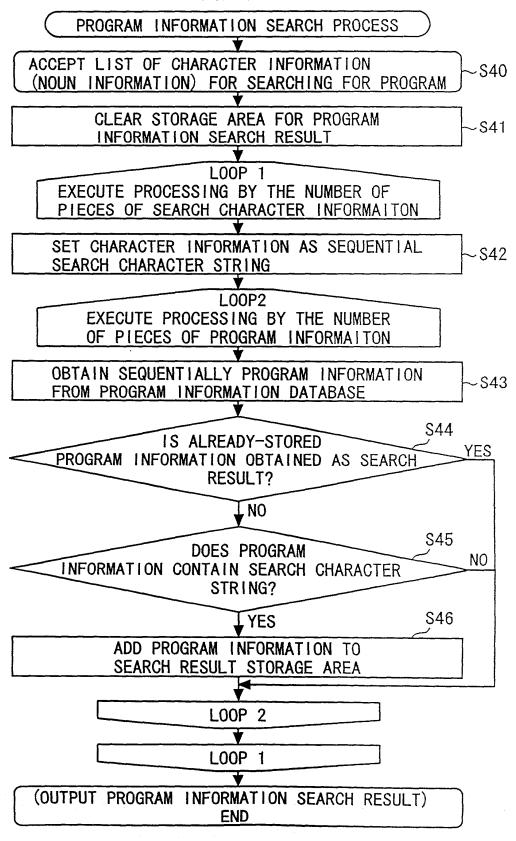
## FIG. 5

	T		T	T
SERVICE	ID	TITLE OF PROGRAM STARTING DATE/TIME		CONTINUOUS TIME
100	0000	ON A CERTAIN 2001/04/01 DAY IN APRIL 00:00:00		01:00:00
100	0001	A SEQUEL TO "ON A CERTAIN DAY IN APRIL"	2001/04/01 00:01:00	00:01:00
• • •		•••	• • •	
101	0100	WORLD OF CATS	2001/04/01 00:00:00	00:40:00
•	•••	•••	• • •	

RESERVATION ID	ID	TITEL OF PROGRAM	STARTING DATE/TIME	CONTINUOUS TIME	SERVICE
000	0100	ON A CERTAIN DAY IN APRIL	2001/04/01 00:00:00	00:40:00	101
001	0001	A SEQUEL TO "ON A CERTAIN DAY IN APRIL"	2001/04/01 00:01:00	00:01:00	100
	•••	•••			

FIG. 7 A PROCESSES BY PROGRAM DETECTION CONTROL MOUDLE ACCEPT AN OPERATION GIVEN FROM VIEWER OF -S1 DISPLAYING AND RESERVING RELATED PROGRAM THROUGH INPUT DEVICE OBTAIN LIST OF NOUN INFORMATION -S2 FROM CHARACTER INFORMATION RETAINING MODULE **S**3 NO -IS THERE NOUN INFORMATION ? YES TRANSFER NOUN INFORMATION TO PROGRAM INFORMATION RETAINING UNIT. AND EXECUTE ·\$4 PROGRAM INFORMATION SEARCH PROCESS **S**5 NO IS THERE RELATED PROGRAM INFORMATION ? YES TRANSFER PROGRAM INFORMATION TO PROGRAM ESERVATION UNIT, AND EXECUTE PROGRAM ~S6 RESERVATION PROCESS **END** 

FIG. 8



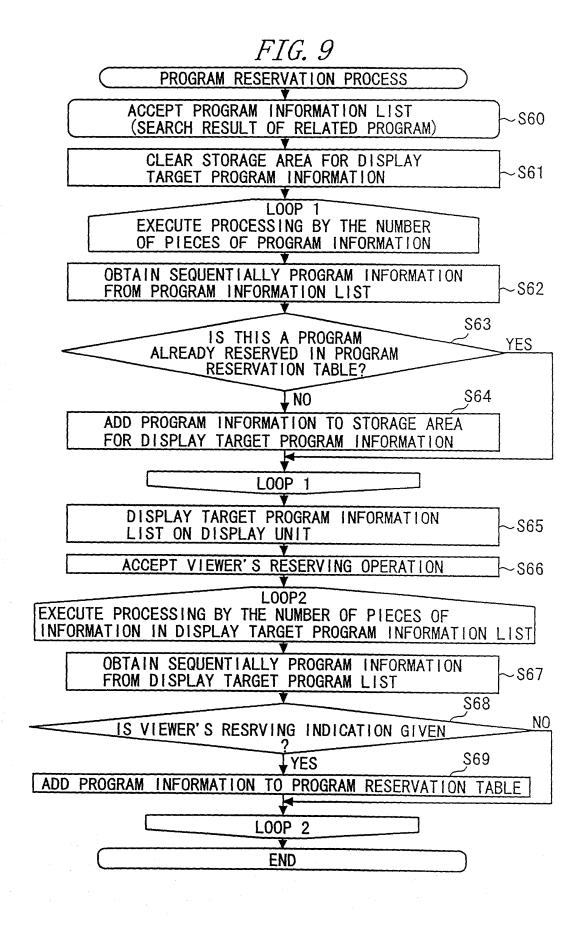


FIG. 10

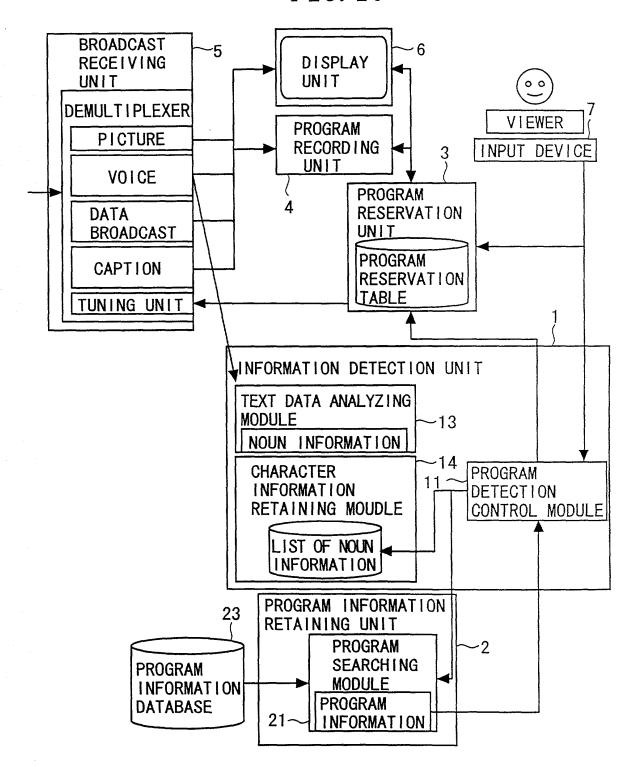
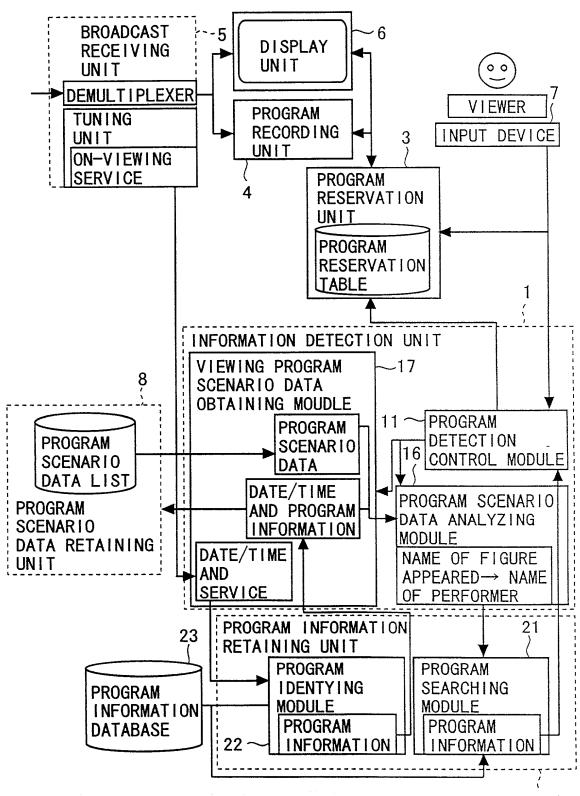


FIG. 11 BROADCAST RECEIVING DISPLAY UNIT UNIT 0 0 DEMULTIPLEXER VIEWER **PROGRAM** PICTURE RECORDING INPUT DEVICE 3 UNIT VOICE **PROGRAM** RESERVATION DATA UNIT **BROADCAST PROGRAM** CAPTION RESERVATION TABLE TUNING UNIT INFORMATION DETECTION UNIT CHARACTER INFORMATION DEMULTIPLEXING MODULE 15 TEXT DATA TEXT DATA ANALYZING MODULE -13 11 NOUN INFORMATION -14 **CHARACTER PROGRAM** INFORMATION DETECTION RETAINING MOUDLE CONTROL MODULE! LIST OF NOUN INFORMATION PROGRAM INFORMATION 23 RETAINING UNIT **PROGRAM** SEARCHING **PROGRAM MODULE** INFORMATION **PROGRAM** DATABASE INFORMATION

21-

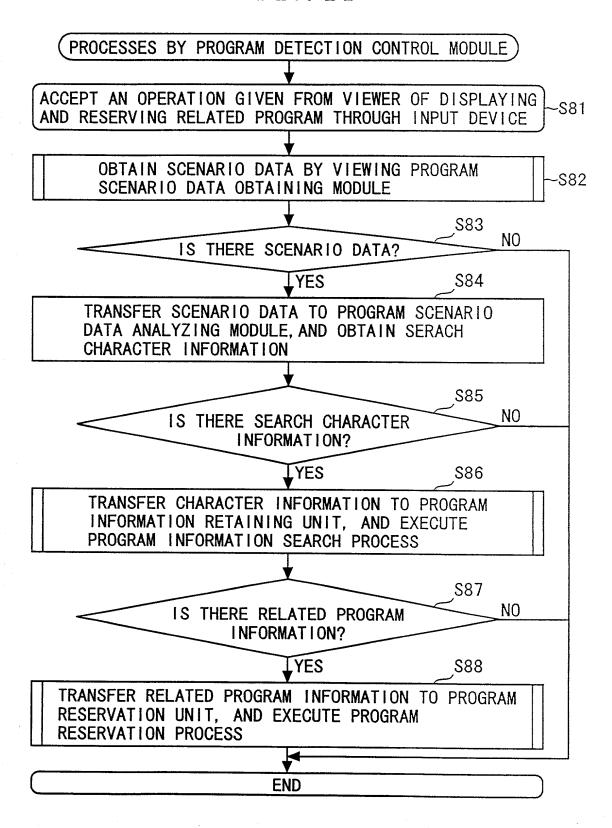
FIG. 12



## FIG. 13

PROGRAM IDNETIFYING INFORMATION					
NAME OF ITEM	FORM	EXPLANATION ([]SHOWING EXAMPLE OF CONTENTS)			
ID	NUMERICAL IDENTIFIC		CATION NUMBER		
TITLE OF PROGRAM	CHARACTER [OOOC		)]		
BROADCASTING STATION FOR PROGRAM	NUMERICAL CHANNEL I		NUMBER		
BROADCAST STARTING DATE/TIME	DATE/TIME YEAR/MONT		TH/DATE/TIME:MIN:SEC		
BROADCAST ENDING DATE/TIME	DATE/TIME [2000:04:08 16:05:00		:08 16:05:00]		
PROGRAM SCENARIO INFORMATION					
TIME FROM PROGRAM STARTING TIME (TIME: MIN:SEC)	ITEM OF CONTENTS OF EXPLANATION PROGRAM DISPLAYED FOR ([]SHOWING EXAMPL OF CONTENTS)				
00:00:00	NAME OF APPEARED FIGURE		[0000]		
	NAME OF APPE FIGURE	ARED	$[\times \times \times \times]$		
	PLACE NAME		[ΔΔΔΔ]		
00:05:35	NAME OF APPEARED FIGURE		[0000]		
	NAME OF APPEA FIGURE	ARED			
(CONTINUED TILL END OF PROGRAM)					

FIG. 14



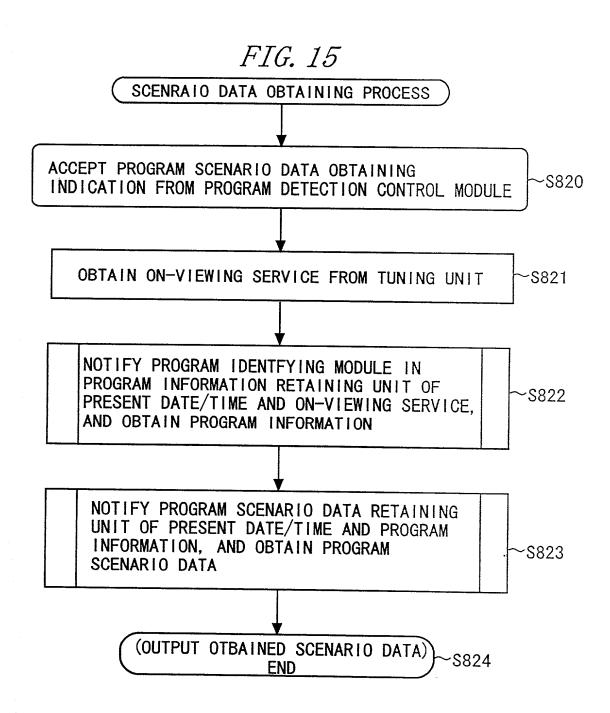


FIG. 16 (PROGRAM INFORMATION SEARCH PROCESS) ACCEPT PRESENT DATE/TIME AND ON-VIEWING SERVICE -S8221 OBTAIN SET OF PROGRAM INFORMATION OF SERVICE COINCIDENT WITHON-VIEWING SERVICE FROM -S8222 PROGRAM INFORMATION DATABASE S8223 OBTAIN SEQUENTIALLY PROGRAM INFORMATION FROM SET OF PROGRAM INFORMATION OF SERVICE S8224 ON-BROADCASTING AT NO PRESENT DATE/TIME ? YES

(OUTPUT PROGRAM INFORMATION)
END

FIG. 17 SCENARIO DATA OUTPUT PROCESS ACCEPT PRESENT DATE/TIME AND PROGRAM -S8230 INFORMATION (ID, STARTING DATE/TIME) IDENTIFY PROGRAM SCENARIO DATA FROM SCENARIO -S8231 DATA LIST WITH PROGRAM INFORMATION (ID) CALCULATE ELAPSE TIME SICNE START OF PROGRAM FROM DIFFERNECE BETWEEN PRESENT DATE/TIME AND -S8232 PROGRAM STARTING DATE/TIME \$8233 OBTAIN SEQUENTIALLY SCENARIO DATA OF PROGRAM SCENARIO DATA S8234 IS NEXT SCENARIO DATA NO STARTING TIME COINCIDENT WITH OR AFTER ELAPSE TIME ? YES (OUTPUT PROGRAM INFORMATION) END

FIG. 18 BROADCAST DISPLAY RECEIVING UNIT UNIT **DEMULTIPLEXER** VIEWER **PROGRAM** RECORDING INPUT DEVICE UNIT **PROGRAM** RESERVATION UNIT **PROGRAM** RESERVATION **JABLE** INFORMATION DETECTION UNIT VIEWING PROGRAM -17SCENARIO DATA OBTAINING MOUDLE 11-PROGRAM **PROGRAM** DETECTION DATE/TIME! 16 CONTROL MODULE **SCENARIO** DATA LIST **PROGRAM** PROGRAM SCENARIO **PROGRAM SCENARIO** DATA ANALYZING **SCENARIO** DATA MODULE DATA RETAINING NAME OF FIGURE UNIT APPEARED→ NAME OF PERFORMER PROGRAM INFORMATION 21 23 RETAINING UNIT **PROGRAM** SEARCHING **PROGRAM** MODULE INFORMATION **PROGRAM** LIST INFORMATION

## FIG. 19

PROGRAM SCENARIO DAT	A T	RANSMISSIO	N DATE/TI	ME
NAME OF ITEM		FORM	EXPLANATION ([]SHOWING EXAMPLE OF CONTENTS)	
ID		NUMERICAL VALUE	IDENTIFICATION NUMBER	
PROGRAM SCENARIO DATA TRANSMISSION DATE/TIME		DATE/TIME	YEAR/MONTH/DATE/TIME:MIN:SEC	
PROGRAM SCENARIO INF	ORN	IATION		
TIME FROM SCENARIO TRANSMISSION (TIME: MIN:SEC)	PR	EM OF CONTE OGRAM DISPL IS PERIOD (	AYED FOR	EXPLANATION ([]SHOWING EXAMPLE OF CONTENTS)
00:00:00		NAME OF APPEARED FIGURE		(0000)
	NAME OF APPEARED FIGURE		ARED	$[\times \times \times \times]$
	PLACE NAME			[ΔΔΔΔ]
00:01:35		NAME OF APPEARED FIGURE		(0000)
	NAME OF APPEARED FIGURE		ARED	[••••]
•••				